

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A information terminal device comprising:

a wireless local area network (LAN) ~~accesses access section which access a~~
~~wireless LAN;~~

a search section which searches a for wireless LAN access hot spot data based on
user criteria for wireless LAN locations in or near ~~a desire place~~ places not currently in a
reception range of the wireless LAN access section ~~based on a desire place data indicating said~~
~~desire place, wherein said hot spot is a place where a wireless LAN connection can be~~
~~established, said desire place is a place where a user desires to relocate to access a wireless LAN;~~
and

a display section which displays a the wireless LAN access hot spot data
indicating ~~a place~~ locations of said hot spot searched by said search section the wireless LAN
access hotspots.

2. (currently amended): A information terminal device comprising:

a wireless local area network (LAN) ~~accesses section which access a wireless~~
~~LAN;~~

a sending section which sends ~~a desire place data~~ to a server user generated
wireless LAN access hot spot criteria for wireless LAN locations in or near places not currently
in a reception range of said wireless LAN access section, ~~wherein said desire place data~~
~~indicates a desire place~~ where a user desires to relocate to access a wireless LAN;

a receiving section which receives ~~a wireless LAN access~~ hot spot data from said
server, wherein said wireless LAN access hot spot data indicates wireless LAN locations in or
near places not currently in a reception range of the wireless LAN access section where a user
desires to relocate to access a wireless LAN ~~a place of a hot spot in or near said desired place~~
~~searched by said server based on said desire place data, said hot spot is a place where a wireless~~
~~LAN connection can be established; and~~

a display section which displays said wireless LAN access hot spot data.

3. (currently amended): The information terminal device according to claim 1, wherein
said wireless LAN access hot spot ~~desire place data includes~~ criteria include a telephone number
~~of said desire place~~ in an area where a user desires wireless LAN access hot spot location data.

4. (original): The information terminal device according to claim 3, further comprising:

a first memory section which stores a first table data including a relationship
between a plurality of telephone numbers and a plurality of hot spots, wherein each of said

plurality of telephone numbers corresponds to one of said plurality of hot spots, said plurality of hot spots is in or near a place corresponding to one of said plurality of telephone numbers,

wherein said search section searches said hot spot based on said first table data.

5. (currently amended): The information terminal device according to claim 1, wherein said ~~desire place~~ wireless LAN access hot spot data includes an address of said ~~desire place~~ in an area where the user desires wireless LAN access hot spot position data.

6. (original): The information terminal device according to claim 5, further comprising:

a second memory section which stores a second table data including a relationship between a plurality of addresses and a plurality of hot spots, wherein each of said plurality of addresses corresponds to one of said plurality of hot spots, said plurality of hot spots is in or near a place corresponding to one of said plurality of addresses,

wherein said search section searches said hot spot based on said second table data.

7. (original): The information terminal device according to claim 4, wherein said first table data further includes a data indicating a relationship between said plurality of telephone numbers and a plurality of maps each of which corresponds to said plurality of hot spots,

each of said plurality of telephone numbers corresponds to one of said plurality of maps, and

said display section displays said one of plurality of maps.

8. (original): The information terminal device according to claim 6, wherein said second table data further includes a data indicating a relationship between said plurality of addresses and a plurality of maps each of which corresponds to said plurality of hot spots,

each of said plurality of addresses corresponds to one of said plurality of maps, and

said display section displays said one of plurality of maps.

9. (currently amended): The information terminal device according to claim 1, wherein said ~~desire place~~ wireless LAN access hot spot data includes an area code for a telephone number ~~of said desire place~~ in an area where a user desires wireless LAN access hot spot position data,

said search section searches an area map data indicating a map of an area which corresponds to said area code,

said display section displays said area map data searched by said search section, and

said search section searches said hot spot data of said hot spot in or near a specific area which is a part of said area and selected by said user.

10. (currently amended): The information terminal device according to claim 1, wherein said ~~desire place~~ wireless LAN access hot spot data includes a zip code for ~~said desire place~~ an area where a user desires wireless LAN access hot spot hot spot position data,

said search section searches an area map data indicating a map of an area which corresponds to said zip code,

said display section displays said area map data searched by said search section,
and

said search section searches said hot spot data of said hot spot in or near a specific area which is a part of said area and selected by said user.

11. (original): The information terminal device according to claim 1, wherein said hot spot data includes a first map data indicating a first area containing said place of said hot spot,

said display section displays one of said first map data and a second map data indicating a second area containing said first area, and

said display section displays places of hot spots which are in said second area except for said first area.

12. (original): The information terminal device according to claim 1, wherein said search section updates said hot spot data without any operation by said user.

13. (original): The information terminal device according to claim 1, wherein said display section displays a first hot spot and a second hot spot distinguishably, said first hot spot can be used for said user, and said second hot spot can not be used for said user.

14. (original): The information terminal device according to claim 1, further comprising:
a memory which stores a setting data that is used for accessing said wireless LAN in said hot spot and was stored when accessing said wireless LAN last time in said hot spot.

15. (original): The information terminal device according to claim 1, wherein said ~~desire~~ place data is wireless LAN location criteria are inputted by said user.

16. (original): The information terminal device according to claim 1, wherein said ~~desire~~ place wireless LAN access hot spot data is the place which the information terminal device detects.

17. (currently amended): A PC card ~~which is~~ connected with an information terminal device ~~with~~ having a display section and used for accessing a wireless local area network (LAN), comprising:

a search section which searches ~~a hot spot for wireless LAN access hotspot data~~ based on user criteria for wireless LAN locations in or near a desire place ~~places not currently in a reception range of the wireless LAN access section based on a desire place data indicating said desire place, wherein said hot spot is a place where a wireless LAN connection can be established, said desire place is a place where a user desires to relocate to access a wireless LAN;~~

wherein said search section outputs said ~~searched~~ wireless LAN access hot spot data to said display section.

18. (currently amended): A PC card which is connected with an information terminal device ~~with~~ having a display section and used for accessing a wireless local area network (LAN), the PC card comprising:

a sending request outputting section which outputs a ~~sending~~ request that a server send ~~indicates sending a desire place data to a server, wherein said desire place data indicates a desire place~~ wireless LAN access hot spot data based on user criteria for wireless LAN locations in or near places not currently in a reception range of the wireless LAN access section where a user desires to relocate to access a wireless LAN; and

an output request outputting section which outputs ~~an output~~ request that ~~indicates outputting a hot spot data received from said server to said display section~~ display said wireless LAN access hot spot data received from said server, wherein said hot spot data indicates a place of a hot spot in or near said desired place searched by said server based on said desire place data, said hot spot is a place where a wireless LAN connection can be established.

19. (currently amended): The PC card according to claim 17, wherein said wireless LAN access hot spot ~~said desire place data includes~~ criteria include a telephone number ~~of said desire place~~ in an area where a user desires wireless LAN access hot spot location data.

20. (original): The PC card according to claim 19, further comprising:

a first memory section which stores a first table data including a relationship between a plurality of telephone numbers and a plurality of hot spots, wherein each of said plurality of telephone numbers corresponds to one of said plurality of hot spots, said plurality of hot spots is in or near a place corresponding to one of said plurality of telephone numbers,

wherein said search section searches said hot spot based on said first table data.

21. (currently amended): The PC card according to claim 17, wherein said ~~desire place~~ wireless LAN access hot spot data includes an address ~~of said desire place~~ in an area where the user desires wireless LAN access hot spot position data.

22. (original): The PC card according to claim 21, further comprising:

a second memory section which stores a second table data including a relationship between a plurality of addresses and a plurality of hot spots, wherein each of said plurality of addresses corresponds to one of said plurality of hot spots, said plurality of hot spots is in or near a place corresponding to one of said plurality of addresses,

wherein said search section searches said hot spot based on said second table data.

23. (original): The PC card according to claim 20, wherein said first table data further includes a data indicating a relationship between said plurality of telephone numbers and a plurality of maps each of which corresponds to said plurality of hot spots,

each of said plurality of telephone numbers corresponds to one of said plurality of maps, and

said search section outputs a signal for displaying said one of plurality of maps by said display sections.

24. (original): The PC card according to claim 20, wherein said second table data further includes a data indicating a relationship between said plurality of addresses and a plurality of maps each of which corresponds to said plurality of hot spots,

each of said plurality of addresses corresponds to one of said plurality of maps,
and

said search section outputs a signal to be display said one of plurality of maps by
said display sections.

25. (currently amended): The PC card according to claim 17, said ~~desire place~~ wireless LAN access hot spot data includes an area code for a telephone number ~~of said desire place~~ in an area where a user desires wireless LAN access hot spot position data,

said search section searches an area map data indicating a map of an area which
corresponds to said area code,

said search section outputs a signal for displaying said area map data by said
display section, and

said search section searches said hot spot data of said hot spot in or near a specific
area which is a part of said area and selected by said user.

26. (currently amended): The PC card according to claim 17, wherein said ~~desire place~~ wireless LAN access hot spot data includes a zip code for ~~said desire place~~ an area where a user desires wireless LAN access hot spot hot spot position data,

said search section searches an area map data indicating a map of an area which
corresponds to said zip code,

said search section outputs a signal for displaying said area map data by said display section, and

said search section searches said hot spot data of said hot spot in or near a specific area which is a part of said area and selected by said user.

27. (original): The PC card according to claim 17, wherein said hot spot data includes a first map data indicating a first area containing said place of said hot spot,

said search section outputs a signal for displaying one of said first map data and a second map data indicating a second area containing said first area, and

said search section outputs a signal for displaying places of hot spots which are in said second area except for said first area.

28. (original): The PC card according to claim 17, wherein said search section updates said hot spot data without any operation by said user.

29. (original): The PC card according to claim 17, wherein said search section outputs a signal for displaying a first hot spot and a second hot spot distinguishably, said first hot spot can be used for said user, and said second hot spot can not be used for said user.

30. (original): The PC card according to claim 17, further comprising:

a memory which stores a setting data that is used for accessing said wireless LAN in said hot spot and was stored when accessing said wireless LAN last time in said hot spot.

31. (currently amended): A method of finding ~~a hot spot~~ wireless LAN access hot spots in or near ~~a desire place~~ wireless LAN locations where a user desires to relocate to access a wireless LAN, the method comprising:

searching for wireless LAN access hot spot data based on user criteria for wireless LAN locations in or near places not currently in a reception range of the wireless LAN access section where a user desires to relocate to access a wireless LAN ~~a hot spot in or near a desire place in response to a desire place data indicating said desire place, wherein said hot spot is a place where a wireless LAN connection can be established, said desire place is a place where a user desires to access a wireless LAN;~~ and

displaying a said wireless LAN access hot spot data indicating a place of said hot spot ~~based on a searching result.~~

32. (currently amended): A method of finding wireless LAN access hot spots ~~a hot spot~~ in or near ~~a desire place~~ wireless LAN locations where a user desires to relocate to access a wireless LAN, the method comprising:

sending ~~a desire place data~~ to a server user generated wireless LAN access hot spot criteria for wireless LAN locations in or near places not currently in a reception range of the wireless LAN access section, wherein said desire place data indicates a desire place where a user desires to relocate to access a wireless LAN;

receiving ~~a wireless LAN access~~ hot spot data from said server, wherein said wireless LAN access hot spot data indicates wireless LAN locations in or near places not currently in a reception range of the wireless LAN access section where a user desires to relocate to access a wireless LAN ~~a place of a hot spot in or near said desired place searched by said server based on said desire place data, said hot spot is a place where a wireless LAN connection can be established; and~~

displaying said wireless LAN access hot spot data.

33. (currently amended): The method of finding a hot spot according to claim 31, wherein said wireless LAN access hot spot ~~said desire place data includes~~ criteria include a telephone number ~~of said desire place~~ in an area where a user desires wireless LAN access hot spot location data.

34. (original): The method of finding a hot spot according to claim 33, wherein said step of searching said hot spot comprises:

searching said hot spot based on a first table data,

said first table data includes a relationship between a plurality of telephone numbers and a plurality of hot spots,

each of said plurality of telephone numbers corresponds to one of said plurality of hot spots, and

said plurality of hot spots is in or near a place corresponding to one of said plurality of telephone numbers.

35. (currently amended): The method of finding a hot spot according to claim 31, wherein said ~~desire place~~ wireless LAN access hot spot data includes an address ~~of said desire place~~ in an area where the user desires wireless LAN access hot spot position data.

36. (original): The method of finding a hot spot according to claim 35, wherein said step of searching said hot spot comprises:

searching said hot spot based on a second table data,

said second table data includes a relationship between a plurality of addresses and a plurality of hot spots,

each of said plurality of addresses corresponds to one of said plurality of hot spots, and

said plurality of hot spots is in or near a place corresponding to one of said plurality of addresses.

37. (original): The method of finding a hot spot according to claim 34, wherein said first table data further includes a data indicating a relationship between said plurality of telephone numbers and a plurality of maps each of which corresponds to said plurality of hot spots,

each of said plurality of telephone numbers corresponds to one of said plurality of maps, and

said step of displaying said hot spot data displaying said one of plurality of maps.

38. (original): The method of finding a hot spot according to claim 36, wherein said second table data further includes a data indicating a relationship between said plurality of addresses and a plurality of maps each of which corresponds to said plurality of hot spots,

each of said plurality of addresses corresponds to one of said plurality of maps, and

said step of displaying said hot spot data displaying said one of plurality of maps.

39. (currently amended): A computer program product embodied on a computer-readable medium and comprising code that, when executed for a method of finding a ~~hot spot~~ wireless

LAN access hot spots in or near ~~a desire place~~ wireless LAN locations where a user desires to relocate to access a wireless LAN, causes a computer to perform the following:

searching for wireless LAN access hot spot data based on user criteria for wireless LAN locations in or near places not currently in a reception range of the wireless LAN access section where a user desires to relocate to access a wireless LAN ~~a hot spot in or near a desire place in response to a desire place data indicating said desire place, wherein said hot spot is a place where a wireless LAN connection can be established, said desire place is a place where a user desires to access a wireless LAN;~~ and

displaying a said wireless LAN access hot spot data indicating a place of said hot spot based on a searching result.

40. (currently amended): A computer program product embodied on a computer-readable medium and comprising code that, when executed for a method of finding wireless LAN access hot spots ~~a hot spot in or near a desire place~~ wireless LAN locations where a user desires to relocate to access a wireless LAN, causes a computer to perform the following:

sending ~~a desire place data~~ to a server user generated wireless LAN access hot spot criteria for locations in or near places not currently in a reception range of the wireless LAN access section, ~~wherein said desire place data indicates a desire place~~ where a user desires to relocate to access a wireless LAN;

receiving ~~a~~ wireless LAN access hot spot data from said server, wherein said wireless LAN access hot spot data indicates wireless LAN locations in or near places not currently in a reception range of the wireless LAN access section where a user desires to relocate to access a wireless LAN ~~a place of a hot spot in or near said desired place searched by said server based on said desire place data, said hot spot is a place where a wireless LAN connection can be established;~~ and

displaying said wireless LAN access hot spot data.

41. (currently amended): The computer program product according to claim 39, wherein said wireless LAN access hot spot ~~said desire place data includes~~ criteria include a telephone number ~~of said desire place~~ in an area where a user desires wireless LAN access hot spot location data.

42. (original): The computer program product according to claim 41, wherein said step of searching said hot spot comprises:

searching said hot spot based on a first table data,

said first table data includes a relationship between a plurality of telephone numbers and a plurality of hot spots,

each of said plurality of telephone numbers corresponds to one of said plurality of hot spots, and

said plurality of hot spots is in or near a place corresponding to one of said plurality of telephone numbers.

43. (currently amended): The computer program product according to claim 39, wherein said ~~desire place~~ wireless LAN access hot spot data includes an address of said ~~desire place~~ in an area where the user desires wireless LAN access hot spot position data.

44. (original): The computer program product according to claim 43, wherein said step of searching said hot spot comprises:

searching said hot spot based on a second table data,

said second table data includes a relationship between a plurality of addresses and a plurality of hot spots,

each of said plurality of addresses corresponds to one of said plurality of hot spots, and

said plurality of hot spots is in or near a place corresponding to one of said plurality of addresses.

45. (original): The computer program product according to claim 42, wherein said first table data further includes a data indicating a relationship between said plurality of telephone numbers and a plurality of maps each of which corresponds to said plurality of hot spots,

each of said plurality of telephone numbers corresponds to one of said plurality of maps, and

said step of displaying said hot spot data displaying said one of plurality of maps.

46. (original): The computer program product according to claim 44, wherein said second table data further includes a data indicating a relationship between said plurality of addresses and a plurality of maps each of which corresponds to said plurality of hot spots,

each of said plurality of addresses corresponds to one of said plurality of maps, and

said step of displaying said hot spot data displaying said one of plurality of maps.